

PATENT ABSTRACTS OF JAPAN

(11) Publication number : 10-105407
 (43) Date of publication of application : 24.04.1998

(51) Int.Cl. G06F 9/445
 G05B 19/00
 G06F 9/06

(21) Application number : 08-256919

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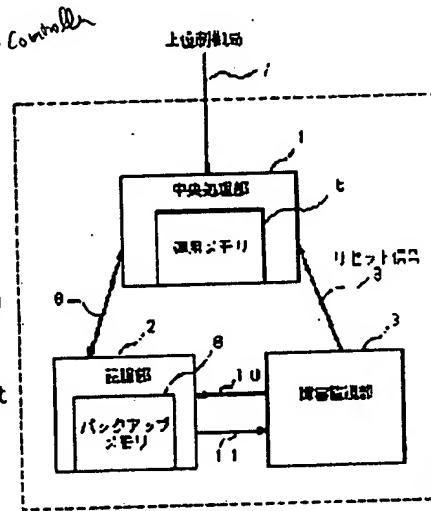
(22) Date of filing : 27.09.1996

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(54) AUTONOMOUS PROGRAM FAULT RESTORING SYSTEM

(57) Abstract:

1 PROBLEM TO BE SOLVED: To provide an autonomous
 2 program fault restoring system whereby a down-loaded 11 *Controller*
 3 program is automatically executed and restarting is (monitor)
 4 autonomously executed even when a fault occurs due to the
 5 program. (key up) (network or controller)
 6 SOLUTION: A central processing part down-loads an
 7 operation program 7 from a high-order control station so as
 8 to store it in an operation memory 5 and executes the stored
 9 operation program 7. A fault monitoring part 3 monitors the
 10 central processing part 1 and transfers the operation program
 11 8 which is preserved in a back-up memory 6 to the operation
 12 memory 5 of the central processing part 1 as against a (first)
 13 storage part 2 when abnormality is detected. The storage part
 14 2 preserves reads out the operation program from the
 15 operation memory 5 so as to preserve it in the back-up
 16 memory 6.



LEGAL STATUS

[Date of request for examination] 27.09.1996

[Date of sending the examiner's decision of rejection] 17.08.1999

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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